

## Product Description

EPV-8100 is a very low viscosity photo polymeric epoxy compound for semi- flexible applications that can be readily cured upon exposure to UV LED light at 385-395nm wavelength. The compound is especially designed for DLP/SLA & inkjet 3D printing.

After curing the compound exhibits excellent mechanical performance due to a unique toughening system.

## Features & Benefits

- Superior dimensional stability
- Full UV-cured no post cure
- Super-fast & accurate printing
- No tacky surfaces
- Unique toughening system
- High temperature resistance
- flexible

## Applications

DLP/SLA and inkjet 3D printing

## Typical Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Base</b>	UV-epoxy compound (single component)
<b>Appearance/ Color</b>	Yellowish / clear
<b>Viscosity @ 25°C @ 60°C</b>	95 Cp 22 Cp
<b>Tg</b>	90°C
<b>Tensile Strength</b>	22.5MPa
<b>Elongation</b>	24%
<b>Young Modulus</b>	480MPa

<b>Suggested cure schedule ( LED-395nm)</b>	1-2 sec @ 0.4 w/cm <sup>2</sup>
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**Storage and Handling**      The shelf life of the EPV-8100 is 6 months at 20-35°C.  
For best results, store in dark closed original containers.

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**Limitation of Liability**      Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.